

# HIV-1 TAT, OR DERIVATIVES THEREOF FOR PROPHYLACTIC AND THERAPEUTIC .

## Abstract

The present invention refers to Tat as the active principle for a prophylactic and/or  
5 therapeutic vaccine against HIV infection, the progression towards AIDS and the  
development of tumors and other syndromes and symptoms in subjects infected by  
HIV. Tat is in biologically active form either as recombinant protein or peptide or as  
DNA. More particularly, the invention refers to a vaccine based on HIV-1 Tat as  
immunogen, inoculated as DNA and/or recombinant protein or as peptides, alone or  
10 in combination with other genes or viral gene products (Nef, Rev, Gag) or parts  
thereof, or in combination with various immuno modulant cytokines (IL-12, IL-15) or  
with the gene coding for an immuno modulant cytokine or part thereof. Tat, Nef, Rev,  
Gag and the immuno modulant cytokines are administrated both as a mixture of  
recombinant proteins, peptides or fusion proteins (Tat/Nef, Tat/Rev, Tat/Gag, Tat/IL-  
15 12, Tat/IL-15) or as plasmid DNA.